

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

**Current Report Filed Pursuant to Section 13 or 15(d) of
The Securities Exchange Act of 1934**

Date of Report

(Date of earliest event reported): December 16, 2010

REPROS THERAPEUTICS INC.

(Exact name of registrant as specified in its charter)

Delaware
**(State or other jurisdiction of
incorporation or organization)**

001-15281
(Commission File Number)

76-0233274
(I.R.S. Employer Identification No.)

2408 Timberloch Place, Suite B-7
The Woodlands, Texas 77380
**(Address of principal
executive offices
and zip code)**
(281) 719-3400

**(Registrant's telephone number,
including area code)**

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2 below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 8.01 Other Events.

On December 16, 2010, Repros Therapeutics Inc. (the “Company”) issued a press release titled “Repros[®] Therapeutics Prepares to Commence Dosing in Second Cohort in Low Dose Proellex[®] Study.” A copy of such press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

| <u>Exhibit Number</u> | <u>Description</u> |
|---------------------------|---------------------------------------|
| 99.1 | Press Release dated December 16, 2010 |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

REPROS THERAPEUTICS INC.

Date: December 16, 2010

By: /s/ Joseph S. Podolski

Joseph S. Podolski

President and Chief Executive Officer

EXHIBIT INDEX

Exhibit
Number
99.1

Description
Press Release dated December 16, 2010
